

the first formulation or the second formulation including a thickener and whereby mixing the first formulation and the second formulation forms a thickened, aqueous, hydrogen peroxide containing mixture, wherein the mixture has a pH of greater than 5.5.

43. (New) The kit of claim 42 wherein the mixture includes a stabilizing agent.

44. (New) The kit of claim 42 wherein the mixture includes a calcium chelating agent.

45. (New) The kit of claim 42 wherein the mixture has a pH within a range of between about 6 to about 10.

46. (New) The kit of claim 42 wherein the mixture has a pH within a range of between about 7 to about 10.

47. (New) The kit of claim 42 wherein the mixture includes at least 70% water by weight, based on the weight of the mixture.


48. (New) The kit of claim 42 wherein the alkaline pH adjusting agent is a member selected from the group consisting of alkali metal hydroxides, ammonium hydroxide, alkali metal carbonates, TRIS, and triethanolamine.

49. (New) The kit of claim 43 wherein the stabilizing agent is a member selected from the group consisting of sodium acid pyrophosphate, sodium stannate trihydrate, and 1-hydroxyethylidene-1,1-diphosphonic acid.

50. (New) The kit of claim 44 wherein the calcium chelating agent is a member selected from the group consisting of EDTA, salts of EDTA, citric acid, salts of citric acid, gluconic acid, salts of gluconic acid, alkali metal pyrophosphates and alkali metal polyphosphates.

51. (New) The kit of claim 42 wherein the thickener is a high molecular weight crosslinked polyacrylic acid.

52. (New) The kit of claim 42 wherein the mixture has a hydrogen peroxide concentration of less than 15% by weight of the mixture.

 53. (New) The kit of claim 43 wherein the stabilizing agent may also act as a calcium chelating agent.

54. (New) The kit of claim 42 wherein the mixture has a pH within a range of between approximately 7.5 and approximately 9.0.

55. (New) The kit of claim 42 wherein the mixture has a pH of approximately 8.0.

56. (New) A dosage delivery unit for delivering a tooth bleaching composition comprising:

a multi-chambered vessel wherein chambers are responsive to applied pressure from an external source;

a mixing baffle in communication with the chambers such that an aqueous mixture of a hydrogen peroxide containing tooth bleaching composition exits the dosage delivery unit in response to the applied pressure on the chambers.

57. (New) The dosage delivery unit of claim 56 wherein the aqueous mixture further comprises a thickener and an alkaline pH adjusting agent.

58. (New) The dosage delivery unit of claim 57 wherein the aqueous mixture has a pH of greater than 5.5.

59. (New) The dosage delivery unit of claim 57 wherein the aqueous mixture further comprises a stabilizing agent.

60. (New) The dosage delivery unit of claim 57 wherein the aqueous mixture further comprises a calcium chelating agent.

61. (New) The dosage delivery unit of claim 56 wherein the aqueous mixture includes at least 70% water by weight, based on the weight of the mixture.

62. (New) The dosage delivery unit of claim 57 wherein the alkaline pH adjusting agent is a member selected from the group consisting of alkali metal hydroxides, ammonium hydroxide, alkali metal carbonates, TRIS and triethanolamine.

63. (New) The dosage delivery unit of claim 59 wherein the stabilizing agent is a member selected from the group consisting of sodium acid pyrophosphate, sodium stannate trihydrate, and 1-hydroxyethylidene-1,1-diphosphonic acid.

64. (New) The dosage delivery unit of claim 60 wherein the calcium chelating agent is a member selected from the group consisting of EDTA, salts of EDTA, citric acid, salts of citric acid, gluconic acid, salts of gluconic acid, alkali metal pyrophosphates and alkali metal polyphosphates.

65. (New) The dosage delivery unit of claim 57 wherein the thickener is a high molecular weight crosslinked polyacrylic acid.

66. (New) The dosage delivery unit of claim 56 wherein the aqueous mixture has a hydrogen peroxide concentration of less than 15% by weight of the mixture.

67. (New) The dosage delivery unit of claim 57 wherein the mixture has a pH within a range of between approximately 6.0 and approximately 10.0.

68. (New) The dosage delivery unit of claim 57 wherein the mixture has a pH within a range of between approximately 7.0 and approximately 10.0.

69. (New) The dosage delivery unit of claim 57 wherein the aqueous mixture has a pH within a range of between approximately 8.0 and approximately 9.5.

70. (New) The dosage delivery unit of claim 56 wherein the chambers include formulations in the form of a gel or paste. --

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